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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Application Number	09/853,646
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Filing Date	May 14, 2001
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First Named Inventor	Nicholas C. Nicolaides et al.
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Group Art Unit	1642
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Examiner Name	TBA chw/cle
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Attorney Docket Number	001107.00138
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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
RRS		US- 6,287,862	09/11/01	delCardayre et al.	
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Filing Date	May 14, 2001
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First Named Inventor	Nicholas C. NICOLAIDES, et al
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Group Art Unit	1642
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Examiner Name	TBA Shulela
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Attorney Docket Number | 01107.00138

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

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Application Number	09/853,646
Filing Date	May 14, 2001
First Named Inventor	Nicholas C. NICOLAIDES, et al.
Group Art Unit	1642
Examiner Name	<u>IBA Shulda</u>
Attorney Docket Number	01107.00138

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<u>RRS</u>		BUERMEYER, Andrew B., et al., "The Human <i>HLH1</i> cDNA Complements DNA Mismatch Repair Defects in M1H1-deficient Mouse Embryonic Fibroblasts," Cancer Research, Feb. 1, 1999, pp. 538 - 541, Vol. 59., No 3.	
		CASCALHO, Marilia, et al., "Mismatch Repair Co-oped by Hypermutation," Science, pp. 1207 - 1210, Feb. 20, 1998, Vol. 279, Lancaster, PA	
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		NICOLAIDES, Nicolas C., et al., "A Naturally Occurring <i>hPMS2</i> Mutation Can Confer a Dominant Negative Mutator Phenotype," Molecular and Cellular Biology, pp. 1635 - 1641, Mar. 1998, Vo. 18, No. 3, American Society for Microbiology, Washington, D.C.	
<u>RRS</u>		RISINGER, John I., et al., "Single Gene Complementation of the <i>hPMS2</i> Defect in HEC-1-A Endometrial Carcinoma Cells, Cancer Research, pp 2978 - 2981, July 15, 1998, Vol. 58, No. 14.	

Examiner Signature

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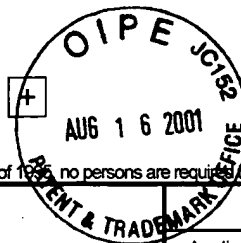
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Sheet 1 of 5

Application Number	09/853,646
Filing Date	May 14, 2001
First Named Inventor	NICOLAIDES
Group Art Unit	Unassigned 1632
Examiner Name	Unassigned Shwida
Attorney Docket Number	01107.00138

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
RRS		5,907,079		Mak et al.	05/25/1999	
RRS		6,146,894		Nicolaides et al.	11/14/2000	
RRS		6,191,268	B1	Liskay et al.	02/20/2001	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
RRS		PCT	WO 99/19492		Betzner et al.	04/22/1999		
RRS		PCT	WO 97/08312		Kinzler et al.	03/06/1997		

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RRS		Allen, D., et al., "MutS mediates heteroduplex loop formation by a translocation mechanism" <i>EMBO J.</i> , 1997, 16(14), 4467-4476.	
		Baker, S.M., et al., "Male mice defective in the DNA mismatch repair gene PMS2 exhibit abnormal chromosome synapsis in meiosis" <i>Cell</i> , 1995, 82, 309-319.	
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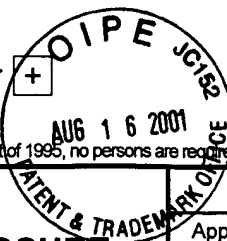
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/853,646
Filing Date	May 14, 2001
First Named Inventor	NICOLAIDES
Group Art Unit	Unassigned 1632
Examiner Name	Unassigned Shutele
Attorney Docket Number	01107.00138

Sheet 2 of 5

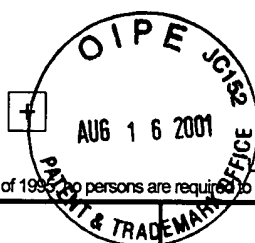
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RM		Galio, L., et al., "ATP hydrolysis-dependent formation of a dynamic ternary nucleoprotein complex with MutS and MutL" <i>Nucleic Acids Research</i> , 1999, 27(11), 2325-2331.	
		Hamilton, S.R. et al. "The molecular basis of Turcot's syndrome." <i>N. Eng. J. Med.</i> 1995, 332:839-847.	
		Harfe, B.D., "DNA mismatch repair and genetic instability" <i>Annu. Rev. Genet.</i> , 2000, 34, 359-399.	
		Hoang J., et al., "BAT-26, an Indicator of the Replication Error Phenotype in Colorectal Cancers and Cell Lines" <i>Cancer Res.</i> , 1997, 57, 300-303.	
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		Jiricny, J., et al., "Mismatch repair defects in cancer" <i>Curr. Opin. Genet. Dev.</i> , 2000, 10, 157-161.	
		Karran, P., et al., "Genomic instability and tolerance to alkylating agents" <i>Cancer Surveys</i> , 1996, 28, 69-71.	
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RM		Liu, T., et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer" <i>Genes, Chromosomes & Cancer</i> , 2000, 27, 17-25.	

Examiner Signature	RM	Date Considered	3/17/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/853,646
				Filing Date	May 14, 2001
				First Named Inventor	NICOLAIDES
				Group Art Unit	Unassigned 1632
				Examiner Name	Unassigned Shulela
Sheet	3	of	5	Attorney Docket Number	01107.00138

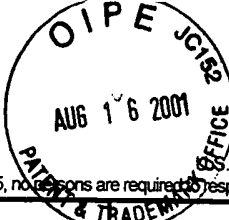
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RNS		Liu, T., et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer" <i>Genes, Chromosomes & Cancer</i> , 2000, 27, 17-25.	
		Liu et al., "Analysis of Mismatch Repair Genes in Hereditary Non-polyposis Colorectal Cancer Patients" <i>Nature Medicine</i> , February 1996, 2(2), 169-174.	
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		Nicolaides, N.C., "A naturally occurring hPMS2 mutation can confer a dominant negative nutator phenotype" <i>Mol. Cell. Biol.</i> , 1998, 18(3), 1635-1641.	
RNS		Nicolaides, N.C., et al., "Analysis of the 5' region of PMS2 reveals heterogeneous transcripts and a novel overlapping gene" <i>Genomics</i> , 1995, 29, 329-334.	

Examiner Signature	RNS	Date Considered	3/17/03
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Sheet 4 of 5

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Application Number	09/853,646
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First Named Inventor	NICOLAIDES
Group Art Unit	Unassigned - 1632
Examiner Name	Unassigned - Shuley
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RS		Nicolaides, N.C., et al., "Mutations of two PMS homologues in hereditary nonpolyposis colon cancer" <i>Nature</i> , 1994, 371, 75-80.	
		Palombo, F., et al., "Mismatch repair and cancer" <i>Nature</i> , 1994, 367, 417.	
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Group Art Unit	Unassigned 1632
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RS		Spampinato, C., et al., "The MutL ATPase is required for mismatch repair" <i>J. Biological Chemistry</i> , 2000, 275(13), 9863-9869.	
/		Strand, M., et al., "Destabilization of tracts of simple repetitive DNA in yeast by mutations affecting DNA mismatch repair" <i>Nature</i> , 1993, 365, 274-276.	
/		Su, S., et al., "Mispair specificity of methyl-directed DNA mismatch correction <i>in vitro</i> " <i>J. Biological Chemistry</i> , 1988, 263(14), 6829-6835.	
/		Vora, K.A. et al., "Severe Attenuation of the B Cell Immune Response in Msh2-deficient Mice" <i>Journal of Experimental Medicine</i> , February 1999, 189(3), 471-481.	
/		Wheeler, J.M.D., et al., "The role of hypermethylation of the <i>hMLH1</i> promoter region in HNPCC versus MSI+sporadic colorectal cancers" <i>J. Med. Genet.</i> , 2000, 588-592.	
RS		Winter, D.B. et al., "Altered spectra of hypermutation in antibodies from mice deficient for the DNA mismatch repair protein PMS2" <i>Proc. Natl. Acad. Sci., USA</i> , June 1998, 95, 6953-6958.	

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